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TURIZAM
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SKI APARTMANI BJELAŠNICA, BOSNA I HERCEGOVINA

AUTOR: STUDIO NONSTOP SANJA GALIĆ-GROZDANIĆ, IGOR GROZDANIĆ

SKI APARTMENTS BJELAŠNICA, BOSNIA AND HERZEGOVINA

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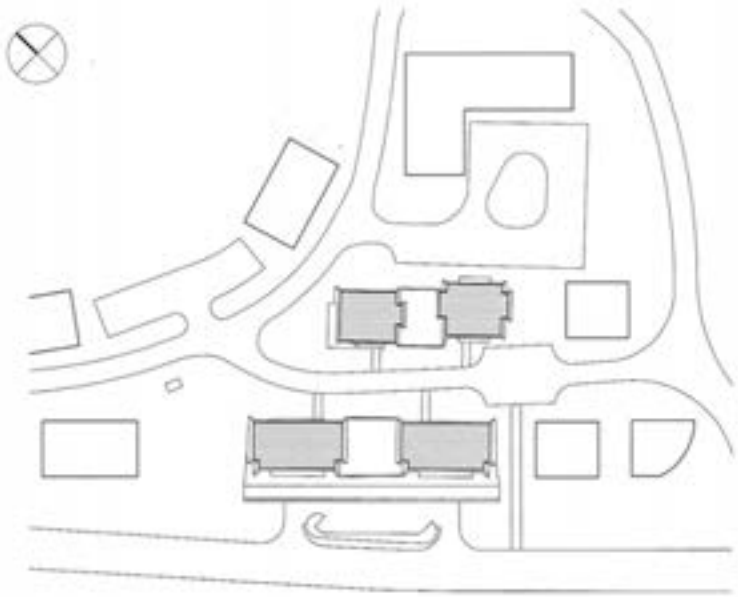
SKI APARTMENTS BJELAŠNICA, BOSNIA AND HERZEGOVINA



SITUACIJA M 1:2000
SITE PLAN S 1:2000

Ski apartmani koncipirani su na formiranju umjetne topografije koja se oblikom i materijalizacijom uklapa u okolni planinski ambijent: planine, šume, stijene i snijeg, a nalaze se sa sjeverne strane puta Igman- Bjelašnica.
Planina Bjelašnica se nalazi u središnjem dijelu Bosne i Hercegovine, na udaljenosti samo 25 km od Sarajeva. Odmah do Bjelašnice je planina Igman, a na njima je održan veći dio natjecanja XIV. zimskih olimpijskih igara 1984. godine.
Organizacijska shema koju čine četiri odvojena apartmanska objekta ima formu planinskog katunskog naselja stočara karakterističnog za ovo područje, stvarajući novi ugodan ambijent za posjetitelje i korisnike.
Materijalizacija objekta koncipirana je tako da se koriste lokalni materijali (drvo i kamen), kao i lokalne boje (zelena i bijela) što odgovara okolnim elementima prirodnog okruženja. U tom smislu je osnovni koncept umjetne topografije dodatno pojačan materijalizacijom i bojom, uklapajući objekt u njegovo prirodno okruženje.
Objekt u cjelini predstavlja suvremeni odgovor na zahtjeve budućih korisnika uvažavajući vrijednosti zatečenog stanja.
Četiri pojedinačna volumena su kompozicijski izmaknuta tako da svaki od 78 apartmana ima direktan pogled na vrh Bjelašnice.
Objekt se sastoji od dvije funkcionalne cjeline. Prvu cjelinu čine dva bloka s apartmanima i zajednički prostori, dok drugu cjelinu čini dio s poslovnim prostorima i garažama.
Sjeverni objekt ukupno sadrži 38 apartmana na četiri odnosno pet etaža i to jedne suterenske, prizemlja, jednog odnosno dva kata i mansarde. Južni objekt sadrži ukupno 40 apartmana na

Ski apartments are based upon the formation of the artificial topography which is integrated into the surrounding alpine environment: mountains, woods, rocks and snow. They are located on the northern side of the Igman – Bjelašnica pathway.
The mountain Bjelašnica is located in the middle part of Bosnia and Herzegovina, only 25 km away from Sarajevo. Next to Bjelašnica is the Igman moutain, on which the major part of the competitions of XIV Winter Olympic Games 1984 took place.
The organizational sheme, consisting of four separated apartment objects, has the form of alpine katun herder settlement, characteristic for this area of the world, and in such way it creates a new, pleasant environment for the visitors and the users.
The object is built of the local materials (wood and stone), and painted in local colors (green and white), which is consistent with the elements of the natural surroundings. In that sense, the basic concept of the artificial topography is emphasized through the materialization and color, integrating the object in its natural surroundings.
The object as a whole represents a contemporary answer to the demands of the future users, taking into account the values of the existing situation.
The functional sheme is based upon the view toward the mountain top of Bjelašnica. Four separated volumes are compositionally placed to that each of 78 apartments has a direct view toward the top of Bjelašnica.
The object consists of two functional wholes. The first whole consists of two apartment blocks and common rooms, while the other whole consists of the administrative offices with the garages.
The northern object has a total of 38 apartments on four, i.e. five levels – basement, ground floor, one or two upper floors

Četiri etaže i to jedne suterenske, prizemlja, kata i mansarde. Apartmani su jednosobni i dvosobni veličine od cca 28 m2 do cca 58 m2, prilagođeni uvjetima koji vladaju na planini. Dvosobni apartmani sastoje se od ulaznog dijela, kupaonice, dnevnog boravka u sklopu kojeg se nalaze kuhinja i blagovaonica, te spavaća soba.

Svi apartmani su orijentirani k jugu, tj. prema skijalištima na Bjelašnici, dok su komunikacije uvijek na sjevernoj strani, tako da su svi korisnici u jednakoj poziciji - uvijek imaju najpovoljnije osvjetljenje i najbolji pogled.

Ovisno o položaju unutar zgrade, apartmani sadrže lođu, balkon ili terasu, na koje je omogućen izlazak iz spavaće sobe i dnevnog boravka. Sve lođe i balkone moguće je po potrebi zatvoriti kliznim vratima (škurama), a njima je moguće i zatvoriti sve otvore s vanjske strane. U objekt se ulazi s južne strane - s dva pješačka pristupa za svako krilo objekta posebno.

Konstruktivni elementi objekta izvedeni su od nosivih zidova - blok opeka, s horizontalnim i vertikalnim armiranobetonskim serklažima. Ovaj konstruktivni sistem je u horizontalnom smislu povezan armiranobetonskim pločama odgovarajućih debljina.

Konstrukcija kosog krova izvedena je od drvenih greda presjeka 12x18cm koje se oslanjaju na horizontalne armiranobetonske serklaže i ploče. Na drvene grede se postavlja daščani pokrov koji čini podkonstrukciju za završni krovni lim.

ANDRIJANA POZOJEVIĆ

and mansard. The southern object has a total of 40 apartments on four levels – basement, ground floor, upper floor and mansard. The apartments have one or two rooms, with area from cca 28 m2 to cca 58 m2, and these are adjusted to the alpine conditions. Two-room apartments consist of the entrance, bathroom, living room with the kitchen and the dining space, and bedroom.

All apartments are looking south, i.e. toward the ski terraines on Bjelašnica, while the communications are always on the northern side, so that all users are in equal position – they always have the best lights and the best view.

Depending upon the location within the building, the apartments also have a lodge, a balcony or a terrace, which can be reached from the bedroom and living room. All lodges and balconies can be closed with slide doors. Also, all openings can be closed from the outer sides with the slide doors.

The object can be entered from the southern side – with two walkways for each wing of the object.

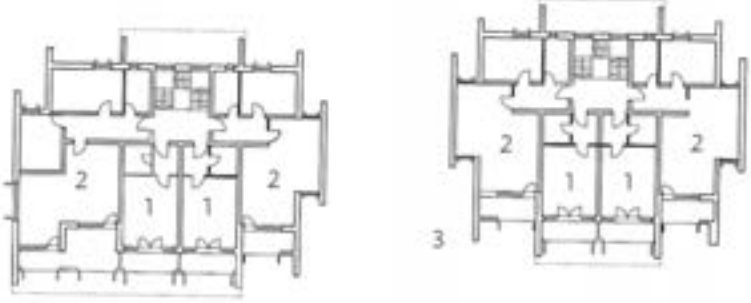
The construction elements of the object are made of the bearing walls - building bricks, with horizontal and vertical reinforced concrete cornices. This construcion system is horizontally connected to the reinforced concrete plates of adequate thickness.

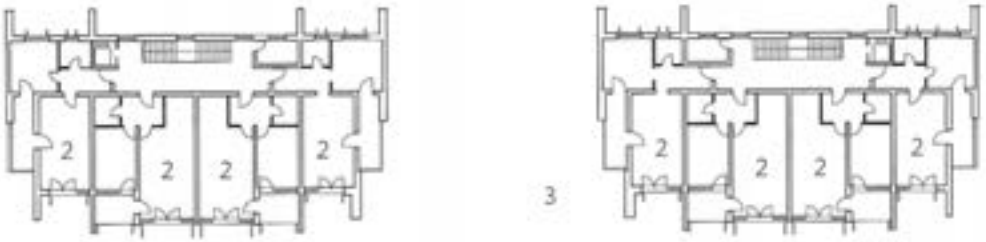
The construction of the sloped roof is made of the wooden beams with the cross-section 12x18cm leaning on the horizontal reinforced concrete cornices and plates. On the wooden beams, a board cover is placed, which makes the under-construction for the roof sheet-tin.

ANDRIJANA POZOJEVIĆ

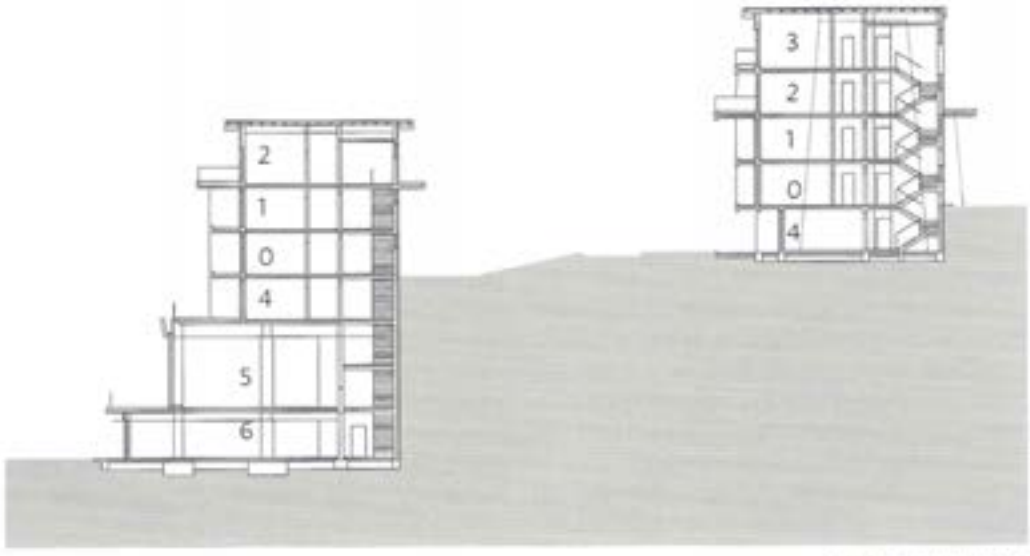
1 JEDNOSOBNI APARTMAN
2 DVOSOBNI APARTMAN
3 TERASA

1 ONE BEDROOM APARTMENT
2 TWO BEDROOM APARTMENT
3 TERRACE





TLOCRTI KARAKTERISTIČNIH NIVOA M 1:500
TYPICAL LEVEL S 1:500



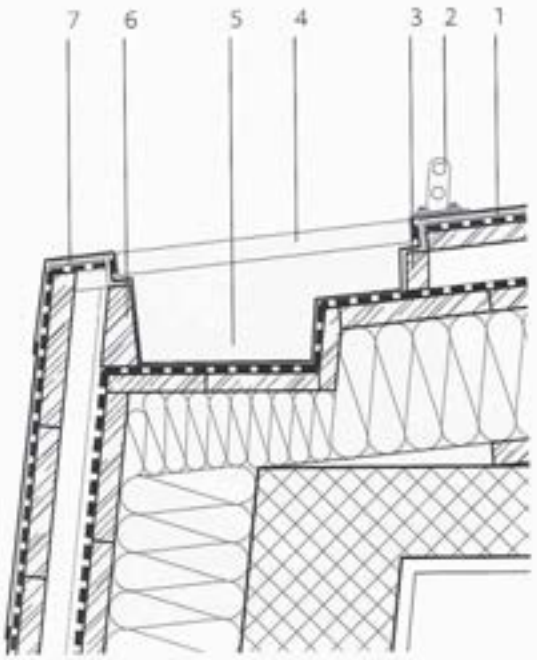
POPREČNI PRESJEK M 1:500
CROSS SECTION S 1:500

0 NIVO PRIZEMLJA	**0 GROUNDFLOOR LEVEL**
1 NIVO 1	**1 LEVEL 1**
2 NIVO 2	**2 LEVEL 2**
3 NIVO 3	**3 LEVEL 3**
4 NIVO -1	**4 LEVEL -1**
5 NIVO -2	**5 LEVEL -2**
6 NIVO -3	**6 LEVEL -3**

SKI APARTMENTS BIELAŠNICA, BOSNIA AND HERZEGOVINA

1 NOSAČ LIMA
2 SNJEGOBRAN
3 DRVENI PODMETAČ
4 METALNA REŠETKA
5 SAKRIVENI OLUK
6 NOSAČ LIMA
7 DRVENI PODMETAČ

1 SHEET METAL GIRDER
2 SNOWGUARDS
3 WOODEN SHIM
4 METAL GRATING
5 HIDDEN GUTTER
6 SHEET METAL GIRDER
7 WOODEN SHIM



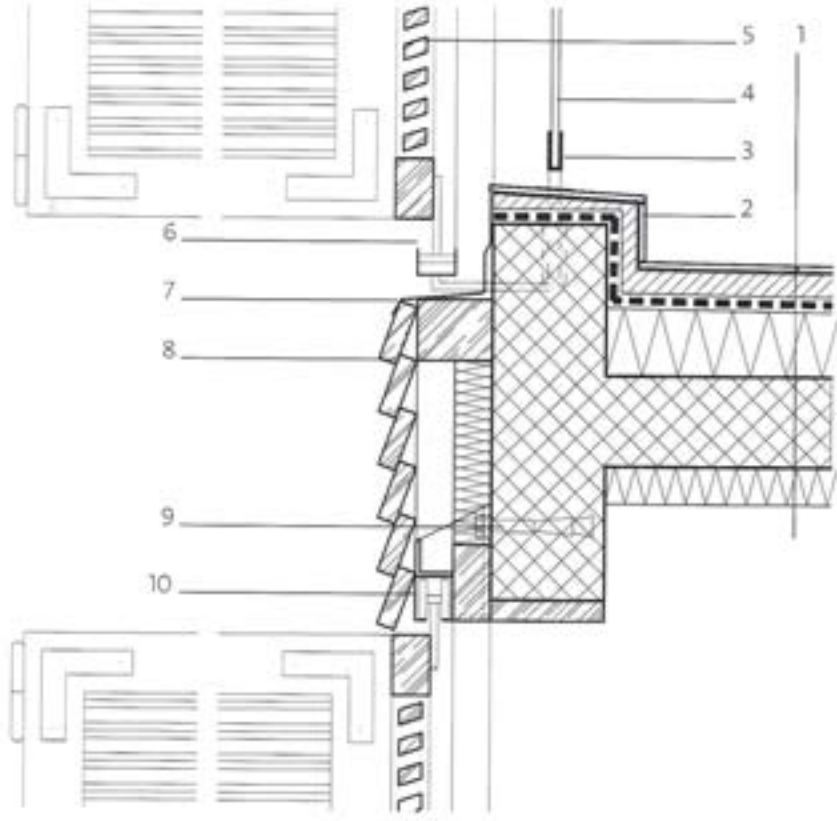
DETALJ SKRIVENOG OLUKA M 1:10
ROOF DETAIL S 1:10

1 SLOJEVI PODA LOĐE
- keramičke pločice 1cm
- cementni estrih 4cm
- hidroizolacija 1cm
- toplinska izolacija u nagibu 10cm
- armiranobetonska ploča 12cm
- toplinska izolacija 5cm

2 SOKL- KERAMIČKE PLOČICE 1CM
3 ČELIČNI NOSAČ OGRADE
4 OGRADA- KALJENO STAKLO
5 KLIZNE DRVENE GRILJE
6 VODILICA DRVENE KLIZNE GRILJE
7 OPŠAV OD POCINČANOG LIMA
8 VANJSKA OBLOGA OD DRVA- LETVICE 2,4X8CM
9 SIDRENJE NOSAČA DRVENE KLIZNE GRILJE
10 NOSAČ DRVENE KLIZNE GRILJE- ČELIČNI L PROFIL SIDREN U ARMIRANOBETONSKI STUP

1 LOGGIA FLOOR LAYERS
- ceramic tiles 1cm
- cement screed 4cm
- waterproof membrane 1cm
- declining thermal insulation 10cm
- RC concrete slab 12cm
- thermal insulation 5cm

2 SOCLE- CERAMIC TILES 1CM
3 STEEL FENCE GIRDER
4 FENCE- TEMPERED GLASS
5 WOODEN SLIDING SHUTTERS
6 WOODEN SLIDING SHUTTERS RAILS
7 GALVANIZED IRON FLASHING
8 EXTERIOR WOODEN COVERING- MOLDINGS 2,4X8CM
9 ANCHORING OF WOODEN SLIDING SHUTTERS GIRDER
10 WOODEN SLIDING SHUTTERS GIRDER- STEEL L PROFILE ANCHORED IN RC PILLAR

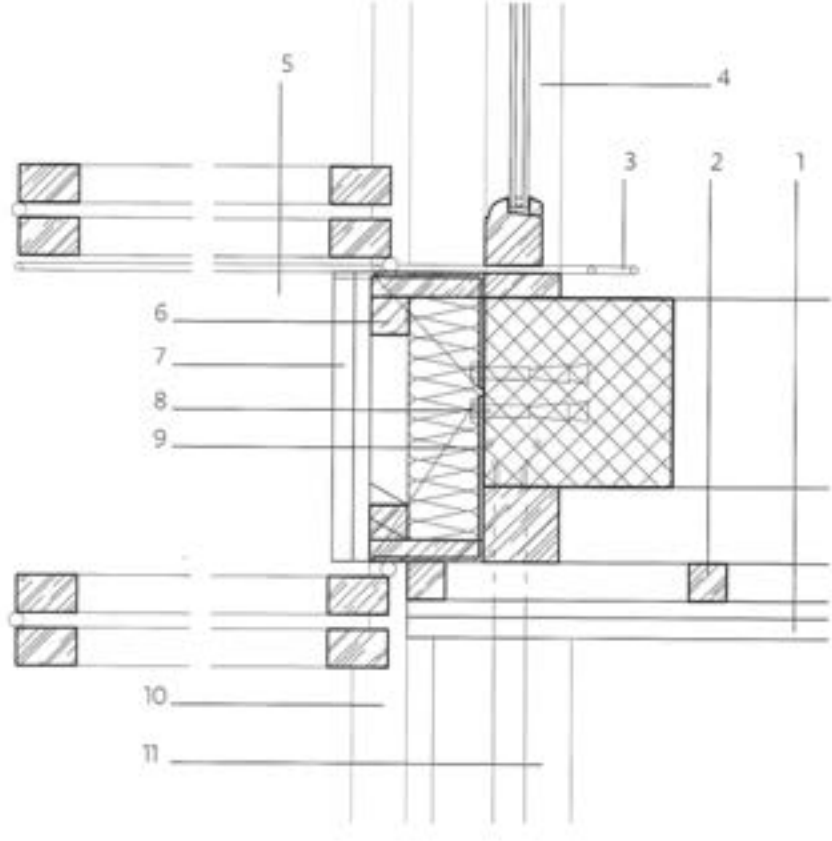


DETALJ PROČELJA UZ LOĐU- PRESJEK M 1:10
CROSS SECTION- FACADE ALONG THE LOGGIA S 1:10

DETALJ PROČELJA UZ LOĐU - TLOCRT M 1:10
LAYOUT - FACADE ALONG THE LOGGIA S 1:10

1 DRVENA OBLOGA ZIDA LOĐE - LETVICE 2,4X8CM
2 DRVENA PODKONSTRUKCIJA OBLOGE ZIDA LOĐE 5X5CM
3 MEHANIZAM ZA ZATVARANJE KLIZNIH DRVENIH GRILJA
4 PROZOR
5 KLIZNE DRVENE GRILJE
6 DRVENA PODSKONSTRUKCIJA VANJSKE OBLOGE OD DRVA, 5X5CM
7 VANJSKA OBLOGA OD DRVA- LETVICE 2,4X8CM
8 SIDRENJE NOSAČA DRVENE KLIZNE GRILJE
9 NOSAČ DRVENE KLIZNE GRILJE- ČELIČNI L PROFIL SIDREN U ARMIRANOBETONSKI STUP
10 VODILICA DRVENE KLIZNE GRILJE
11 RUKOHVAT OD NEHRĐAJUĆEG ČELIKA Ø42MM

1 WOODEN COVERING - MOLDINGS 2,4X8CM
2 LOGGIA WALL WOODEN SUBSTRUCTURE COVERING 5X5CM
3 CLOSING MECHANISM FOR WOODEN SLIDING SHUTTERS
4 WINDOW
5 WOODEN SLIDING SHUTTERS
6 WOODEN SUBSTRUCTURE COVERING 5X5CM
7 EXTERIOR WOODEN COVERING- MOLDINGS 2,4X8CM
8 ANCHORING OF WOODEN SLIDING SHUTTERS GIRDER
9 WOODEN SLIDING SHUTTERS GIRDER- STEEL L PROFILE ANCHORED IN RC PILLAR
10 WOODEN SLIDING SHUTTERS RAILS
11 STAINLESS STEEL HANDRAIL Ø42MM



1 SNJEGOBRAN
2 METALNA REŠETKA
3 SAKRIVENI OLUK
4 SLOJEVI KROVA NAD LOĐOM
- lim 1,2mm
- bitumenska ljepenka
- daščana oplata 2,4cm na podkonstrukciji
- zračni prostor
- toplinska izolacija 5cm
- žbuka 2cm

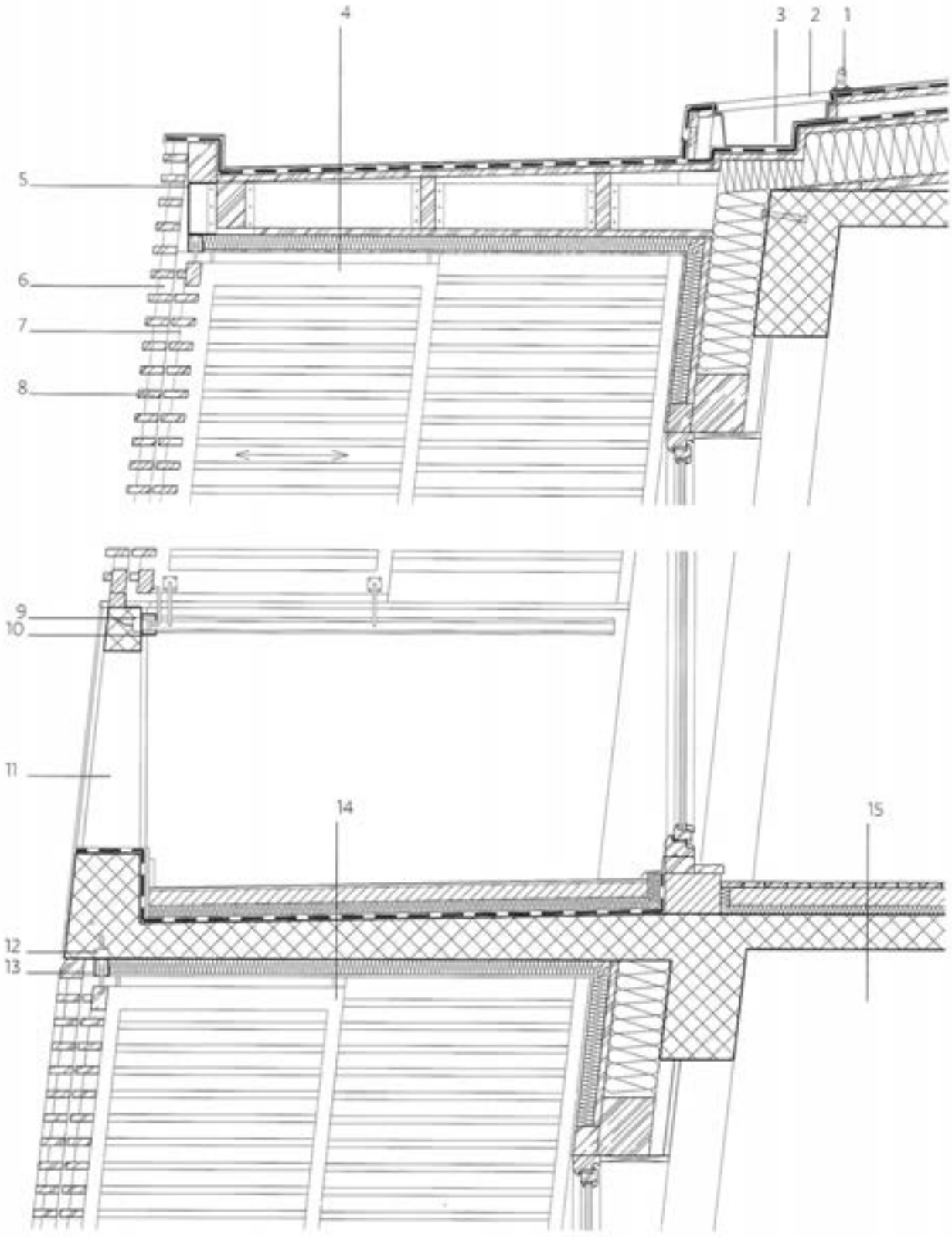
5 ČELIČNI U 18 PROFIL
6 FIKSNI DIO ZAŠTITE OD SUNCA
7 KLIZNI DIO ZAŠTITE OD SUNCA
8 DRVENI BRISOLEI- LETVICE 8X2,4CM
9 UBETONIRAN NOSAČ DONJE VODILICE
10 VODILICA KLIZNOG DIJELA ZAŠTITE OD SUNCA
11 ISPUNA PARAPETA POROBETONSKIM BLOKOVIMA
12 UBETONIRANI NOSAČ GORNJE VODILICE
13 GORNJA VODILICA KLIZNOG DIJELA ZAŠTITE OD SUNCA
14 SLOJEVI PODA LOĐE
- keramičke pločice 1cm
- cementni estrih 5cm
- toplinska izolacija 5cm
- hidroizolacija
- armiranobetonska ploča u nagibu 12-16cm
- toplinska izolacija 5cm
- žbuka 2cm

15 SLOJEVI MEĐUKATNE KONSTRUKCIJE
- parket 2,5cm
- izravnavajući sloj 0,5cm
- cementni estrih 4cm
- toplinska izolacija 4cm
- armiranobetonska ploča 12cm

1 SNOWGUARDS
2 METAL GRATING
3 HIDDEN GUTTER
4 THE LOGGIA ROOF LAYERS
- sheet metal 1,2mm
- bitumen felt
- timber planking 2,4cm
- ventilated air layer
- thermal insulation 5cm
- plaster 2cm

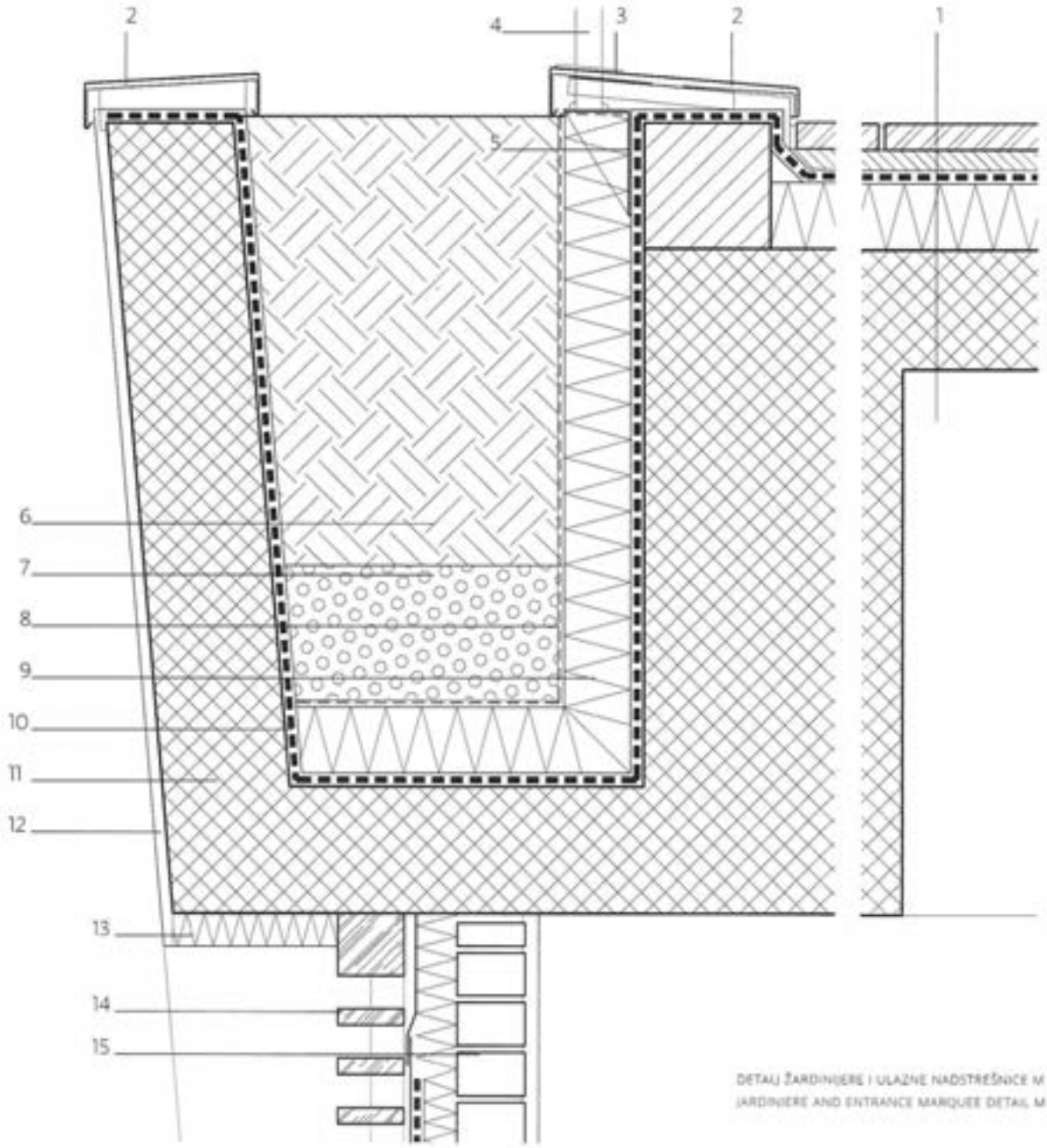
5 STEEL U PROFILE
6 SUN PROTECTION- FIXED PART
7 SUN PROTECTION- SLIDING PART
8 WOODEN BRISOLEI- MOLDINGS 8X2,4CM
9 ANCHORING OF WOODEN SLIDING SHUTTERS GIRDER
10 SUN PROTECTION- SLIDING PART RAILS
11 PARAPETS FILLING- AERATED COCNRETE BLOCKS
12 ANCHORING OF WOODEN SLIDING SHUTTERS GIRDER
13 SUN PROTECTION- SLIDING PART UPPER RAILS
14 LOGGIA FLOOR LAYERS
- ceramic tiles 1cm
- cement screed 5cm
- thermal insulation 5cm
- waterproof membrane 1cm
- RC concrete slab 12-16cm
- thermal insulation 5cm
- plaster 2cm

15 SLAB CONSTRUCTION LAYERS
- flooring 2,5cm
- leveling layer 0,5cm
- cement screed 4cm
- thermal insulation 4cm
- RC concrete slab 12cm

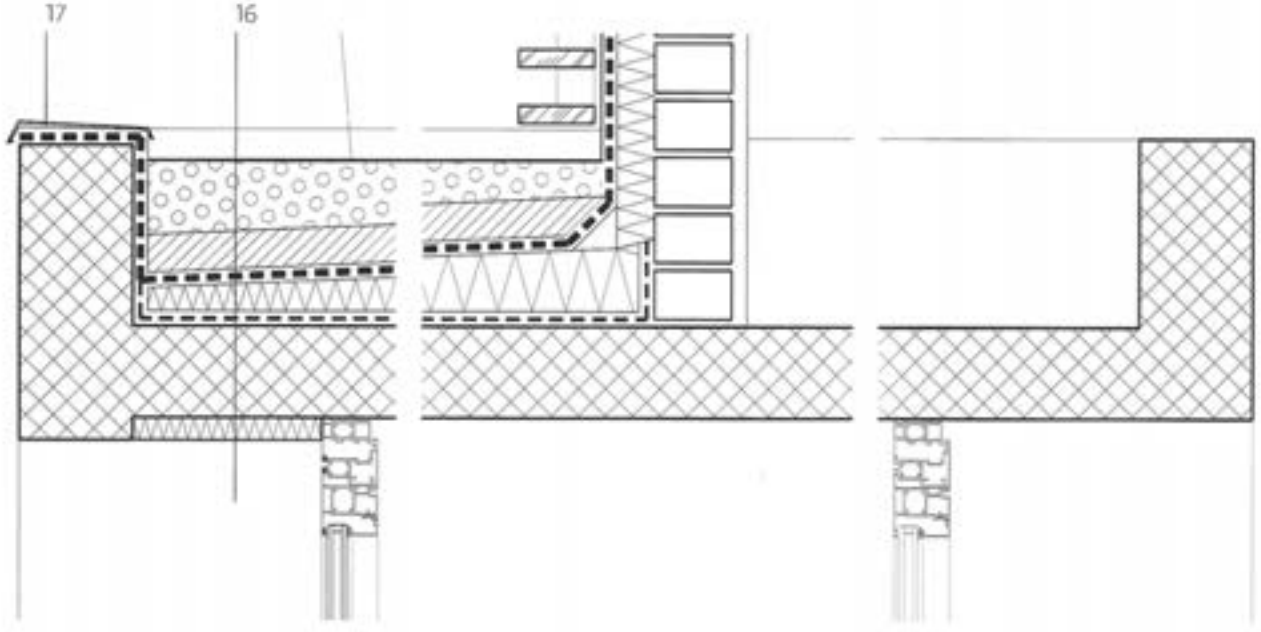


PRESJEK KROZ BOČNU LODU M 1:20

LATERAL LOGGIA CROSS SECTION S 1:20



DETALJ ŽARDINJERE I ULAZNE NADSTREŠNICE M 1:10
JARDINIERE AND ENTRANCE MARQUEE DETAIL M 1:10



1 SLOJEVI PODA TERASE
- betonske ploče 4cm
- cementni estrih 4cm
- toplinska izolacija u nagibu 10cm
- PE folija
- armiranobetonska ploča 18cm

2 OPŠAV OD POCINČANOG LIMA
3 METALNA ROZETA
4 OGRADA
5 L PROFIL- ČELIČNI NOSAČ OGRADE
6 ZEMLJA
7 ŠLJUNAK
8 GEOTEKSTIL
9 TOPLINSKA IZOLACIJA 10CM
10 HIDROIZOLACIJA 1CM
11 ARMIRANOBETONSKA ŽARDINIJERA 19CM
12 ZAVRŠNI SLOJ- ŽBUKA
13 TOPLINSKA IZOLACIJA 5CM
14 FIKSNE DRVENE LETVICE 2,4X10CM
15 ZID OD OPEKE
16 SLOJEVI NADSTREŠNICE
- nasip šljunka 10cm
- betonska podloga 4cm
- toplinska izolacija u nagibu 5-10cm
- PE folija
- armiranobetonska ploča 12cm
- toplinska izolacija 3cm

17 OPŠAV OD POCINČANOG LIMA

1 TERRACE FLOOR LAYERS
- concrete plates 4cm
- cement screed 4cm
- declining thermal insulation 10cm
- polyethylene layer
- RC concrete slab 18cm

2 GALVANIZED IRON FLASHING
3 METAL ROSETTE
4 FENCE
5 L PROFILE- STEEL FENCE GIRDER
6 SOIL
7 GRAVEL
8 GEOTEXTILE
9 THERMAL INSULATION 10CM
10 WATERPROOF MEMBRANE 1CM
11 RC CONCRETE JARDINIERE 19CM
12 FINAL COAT- PLASTER
13 THERMAL INSULATION 5CM
14 FIXED WOODEN MOLDINGS 2,4X10CM
15 BRICK WALL
16 MARQUEE LAYERS
- compacted gravel 10cm
- concrete base 4cm
- declining thermal insulation 5-10cm
- polyethylene layer
- RC concrete slab 12cm
- thermal insulation 3cm

17 GALVANIZED IRON FLASHING